

## MEAL COOLER CENTRIFUGAL SEPARATOR

### ABSTRACT OF THE DISCLOSURE

A particulate capture system having a plurality of high speed rotating  
5 paddles for separating particulate from an air stream. The system includes an air  
circulating chamber within a centrifuge that separates a first portion of particulate  
trapped within an air stream. The particulate capture system also has a blender section  
that separates a second portion of particulate trapped within the air stream. The first  
portion of particulate is separated via circulating air flow. The second portion of  
10 particulate is separated via encapsulating the particulate in water. The water  
encapsulated particles may be recirculated to a cooler or other device where the  
particulate may be blended with a bulk product being processed.

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